

Title (en)
LASER RESONATORS COMPRISING MODE-SELECTIVE PHASE STRUCTURES

Title (de)
LASERRESONATOREN MIT MODENSELEKTIERENDEN PHASENSTRUKTUREN

Title (fr)
RESONATEURS LASER A STRUCTURES DE PHASES A SELECTION DE MODE

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Abstract (en)
[origin: WO0197349A1] The invention relates to a laser resonator (1) for semiconductor lasers, comprising a waveguiding layer (3), which is located between a substrate (2) and a superstrate (4). The waveguiding layer (3), the substrate (2) and/or the superstrate (4) of the laser resonator (1) have at least one phase structure (8, 8', 9, 9'), which varies locally in such a way that the emission characteristics of at least one predetermined laser mode (11) are influenced.

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